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<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L9</u>	L8 and repository	7	<u>L9</u>
<u>L8</u>	L2 and keyword	40	<u>L8</u>
<u>L7</u>	L2 and keyword same repository	0	<u>L7</u>
<u>L6</u>	5742828.pn.	3	<u>L6</u>
<u>L5</u>	5737592.pn.	3	<u>L5</u>
<u>L4</u>	extend\$ same macro near language	8	<u>L4</u>
<u>L3</u>	L2 and extend\$	108	<u>L3</u>
<u>L2</u>	macro near language	302	<u>L2</u>
<u>L1</u>	extend\$ near macro near language	2	<u>L1</u>

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L9	L8 and repository	7	L9
L8	L2 and keyword	40	L8
L7	L2 and keyword same repository	0	L7
L6	5742828.pn.	3	L6
L5	5737592.pn.	3	L5
L4	extend\$ same macro near language	8	L4
L3	L2 and extend\$	108	L3
L2	macro near language	302	L2
L1	extend\$ near macro near language	2	L1

END OF SEARCH HISTORY

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L9: Entry 4 of 7

File: USPT

May 16, 2000

US-PAT-NO: 6063128

DOCUMENT-IDENTIFIER: US 6063128 A

TITLE: Object-oriented computerized modeling system

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bentley; Keith	Glenmore	PA		
Wilson; Samuel	Wilmington	DE		
Lutz; Earlin	West Chester	PA		
Bartlett; James	Elverson	PA		
Gooding; John	Spring City	PA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Bentley Systems, Incorporated	Exton	PA			02

APPL-NO: 8/ 966888 [PALM]

DATE FILED: November 10, 1997

PARENT-CASE:

This is a division of application Ser. No. 08/612,622, filed Mar. 6, 1996, now U.S. Pat. No. 5,815,415. This application claims benefit of provisional application 60/010,234 filed Jan. 19, 1996. This application claims benefit of provisional application 60/011,285, filed Feb. 7, 1996.

INT-CL: [7] G06 G 7/48, G06 F 17/50

US-CL-ISSUED: 703/6; 703/7, 703/1, 706/919, 345/964

US-CL-CURRENT: 703/6; 345/964, 703/1, 703/7, 706/919

FIELD-OF-SEARCH: 395/500.34, 395/500.27, 395/683, 395/500.28, 395/701, 395/500.01, 395/964, 707/103, 364/474.24, 706/919

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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	PAT-NO	ISSUE DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4809170</u>	February 1989	Leblang et al.	395/705
<input type="checkbox"/>	<u>4951192</u>	August 1990	Chase, Jr. et al.	395/706
<input type="checkbox"/>	<u>5339435</u>	August 1994	Lubkin et al.	395/500.47
<input type="checkbox"/>	<u>5347632</u>	September 1994	Filepp et al.	709/202
<input type="checkbox"/>	<u>5437027</u>	July 1995	Bannon et al.	707/103
<input type="checkbox"/>	<u>5546595</u>	August 1996	Norman et al.	395/500.42
<input type="checkbox"/>	<u>5625580</u>	April 1997	Read et al.	395/500.92
<input type="checkbox"/>	<u>5634010</u>	May 1997	Ciscon et al.	709/223
<input type="checkbox"/>	<u>5815415</u>	September 1998	Bentley et al.	395/500.24
<input type="checkbox"/>	<u>5911074</u>	June 1999	Leprince et al.	395/701
<input type="checkbox"/>	<u>5987242</u>	November 1999	Bentley et al.	395/500.34

OTHER PUBLICATIONS

Dasgupta, P.; LeBlanc, R. J., Jr.; Ahamad, M.; Ramachandran, U.; "The Clouds Distributed Operating System", Computer, vol. 24, Issue 11, pp. 34-44, Nov. 1991.

Kramer, D.; Joy, B.; Spenoff, D.; "The Java TM. Platform: A White Paper", JavaSoft, Sun Microsystems Inc., Mountain View, CA, May 1996.

Mitchell, J. G.; Gibbons, J. J.; Hamilton, G.; Kessler, P.B. Khalidi, Y. A.; Kougiouris, P.; Madany, P.W.; Nelson, M. N.; Powell, M. L.; Radia, S. R.; "An Overview of the Spring System", Digest of Papers-COMPCON Spring '94, pp. 122-131, Apr. 1994.

Gunaseelan, L.; LeBlanc, R. J., Jr.; "Distributed Eiffel: A Language for Programming Multi-granular Distributed Objects on the Clouds Operating System", Proceedings of the 1992 International Conference on Computer Languages, pp. 331-340, Apr. 1992.

Sommer, J.; "The DaCapo Project: Distributed, Active, Communicating, Persistent Objects", Proceedings of the Second International Workshop on Object Oriented in Operating Systems, pp. 129-132, Sep. 1992.

Ben-Shaul, I.; Cohen, A.; Holder, O.; Lavva, B.; "HADAS: A Network Centric Framework for Interoperability Programming", Proceedings of the Second IFCIS International Conference on Cooperative Information Systems, pp. 120-129, Jul. 1997.

Bottger et al., "An Object-Oriented Model for Specification, Prototyping, Implementation and Reuse", Proceedings of the Design, Automation and Test in Europe, 1998, pp. 303-310, Feb. 1998.

MicroStation J Whitepaper, downloaded from the internet at <http://www.bentley.com/products/mstation/j/msjwhite.pdf>.

MicroStation J News Release, downloaded from the internet at <http://www.bentley.com/news/headline/msjships.htm>.

ART-UNIT: 273

PRIMARY-EXAMINER: Teska; Kevin J.

ASSISTANT-EXAMINER: Sergent; Douglas W.

ATTY-AGENT-FIRM: Akin, Gump, Strauss, Hauer & Feld, L.L.P.

ABSTRACT:

A computer system for modeling is disclosed, where the computer system has a storage device, first and second platforms, a portable persistent model, and first and second platform-dependent computerized modeling systems (CMS). Each platform is interfaced to the storage device and provides system-dependent services. The first platform has a first type of operating system and a first type of computer hardware including a first memory, and the second platform has a second type of operating system and a second type of computer hardware including a second memory. The model resides in the storage device in a platform-independent format and includes persistent component objects. The first CMS resides in the first platform memory and the second platform-dependent CMS resides in the second platform memory. Each CMS provides CMS services including retrieving the model from the storage device, manipulating the model, changing the model by adding and removing persistent objects, and persistently saving the model to the storage device. Each CMS includes a

static kernel and a dynamic framework. The kernel executes on the platform and interfaces to the operating system and the computer hardware, and provides services necessary to load and execute CMS services and to interface to the platform services. The framework executes on the platform and interfaces to the kernel, provides a platform-independent visual interface between the CMS and a CMS user, and employs the services of the kernel.

24 Claims, 26 Drawing figures

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L4: Entry 6 of 8

File: USPT

Aug 13, 1996

US-PAT-NO: 5546583

DOCUMENT-IDENTIFIER: US 5546583 A

TITLE: Method and system for providing a client/server interface in a programming language

DATE-ISSUED: August 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shriver; David I.	Euless	TX		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY				02

APPL-NO: 8/ 223276 [PALM]

DATE FILED: April 5, 1994

INT-CL: [6] G06 F 13/00

US-CL-ISSUED: 395/650; 364/DIG.1, 364/284.4

US-CL-CURRENT: 709/313; 709/330

FIELD-OF-SEARCH: 395/650

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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<input type="checkbox"/>	<u>5086504</u>	February 1992	Nemeth-Johannes et al.	395/700
<input type="checkbox"/>	<u>5255386</u>	October 1993	Prager	395/600
<input type="checkbox"/>	<u>5257366</u>	October 1993	Adair et al.	395/600
<input type="checkbox"/>	<u>5287514</u>	February 1994	Gram	395/700
<input type="checkbox"/>	<u>5291585</u>	March 1994	Sato et al.	395/500
<input type="checkbox"/>	<u>5317722</u>	May 1994	Evans	395/500
<input type="checkbox"/>	<u>5430876</u>	July 1995	Schreiber et al.	395/650

OTHER PUBLICATIONS

Shriver, David I., "REXX in the CICS Environment", Third REXX Symposium Annapolis, Maryland, 1992, pp. 1-41.
Shriver, David I., "Research on REXX in the CICS Environment", Share 80 San Francisco 1916, 1993, pp. 1-44.
Shriver, David I., "Research on REXX in the CICS Environment", Share 77 Chicago,

Illinois 1940, 1991, 1-36.

ART-UNIT: 236

PRIMARY-EXAMINER: Heckler; Thomas M.

ATTY-AGENT-FIRM: Mims, Jr.; David A. Terry; L. Bruce Dillon; Andrew J.

ABSTRACT:

In a data processing system, a programming language processor capable of executing program code is provided. A client program and a server program are also provided within said data processing system. The client program and the server program are comprised of program code capable of execution within said data processing system. Once the client and server programs are invoked, the client program sends a request for a service to the server program. In response to program code within the server program, a request is sent to the client program for a service that requires access to a variable within the client program. The client program then processes the request from the server program and sends the server program a response. Thereafter, the server program continues processing the request from the client program in response to gaining access to the variable in the client program. If the server program has not been initialized when the client program requests a service, the client program automatically initializes the server program.

8 Claims, 6 Drawing figures